

ABSTRACT

A lathe attachment device is disclosed for producing long articles with complicated profiles. The device contains a beveled multi-teeth cutter driven to rotate in a direction opposite the rotation of a billet to ensure a very short period of contact time between an individual cutting tooth and the article. The cutter is slightly tilted towards the billet in both horizontal and vertical plane. The teeth of the cutter are shaped to each have a pointed end facing the rough part of the billet. Provisions are made to draw the cutter along the billet. The device allows producing a smooth finished long article with complicated surface profile in a single pass with high productivity. Due to limited contact time, it offers extended life of the cutter. The device is used most advantageously to produce long wood articles.